



**Figure S2. EB1 induces the closure of tubulin sheets assembled in the presence of GMPCPP and DMSO.**

(a) and (b) Negative-staining electron microscopy of microtubules assembled from 20  $\mu\text{M}$  tubulin in BRB80 buffer supplemented with 1 mM GMPCPP and 5 % DMSO, in the absence (a) and in the presence (b) of 2.0  $\mu\text{M}$  EB1. S, sheet; T, tube. Scale bar, 50 nm. (c) Percentages of tubes and sheets obtained for the control and with 2.0  $\mu\text{M}$  EB1. Results are the mean of two experiments. The total measured length was 120  $\mu\text{m}$  for the control and 147  $\mu\text{m}$  with EB1.